



COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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IN REPLY PLEASE

REFER TO FILE: **A-0**

October 21, 2004

TO: Each Supervisor

FROM: Donald L. Wolfe
Interim Director of Public Works

STORM REPORT UPDATE

Yesterday we reported to you on Monday morning's storm and mentioned that we were investigating damage to three of our flood control facilities (see attachment).

Los Angeles River at the 105 Freeway

Two large sinkholes occurred on the east bank of the River. The sinkholes were on the back slope of the levee. The Los Angeles County Sanitation District (LACSD) has been constructing a large sewer trunk line in this area. Under permit, LACSD has been tunneling along the toe of the levee.

Our engineers have evaluated the situation and discussed the repair work with LACSD and its contractor. LACSD's contractor has commenced repairs. The work should be completed by this weekend.

Del Mar Boulevard and Allen Avenue in Pasadena

At this location, Rubio Wash, which is an open channel, enters an underground storm drain system. Apparently, because of the intense rainfall in the area, the flows exceeded the capacity of the underground storm drain and overflowed onto Del Mar Boulevard causing damage to the street, curb, and sidewalks. Also, an apartment building on the corner suffered some flooding. The City has closed off Del Mar Boulevard at this location.

We inspected the storm drain and found damage to 80 to 90 feet of the top of the reinforced concrete box about 90 feet downstream of the inlet to the underground drain. Our engineers are currently assessing what temporary and permanent repairs need to be made.

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Project No. 7201 in San Marino

The City-owned underground storm drain collapsed under the intersection of Mill Lane and Mill Canyon Road, causing a sinkhole. Our storm drain, Project No. 7201, is just upstream of this location. We inspected our storm drain and found no damage. At the City's request, we are assisting it in investigating the failure of its drain and preparing a proposal for temporary emergency repairs.

BTS:ad

C:\Adrine\Brian\Memos\Storm Report Update 10.21.04

Attach.

cc: Chief Administrative Office
Executive Office

October 20, 2004

TO: Each Supervisor

FROM: Donald L. Wolfe *DLW*
Interim Director of Public Works

STORM REPORT

The storm last night and this morning produced heavy rainfall throughout the Los Angeles basin, San Gabriel Mountains, the Santa Clarita area, and the Antelope Valley. As a result, streets and intersections experienced ponding and flooding, and a number of County roads experienced mud and rock slides. Eleven County roads were closed due to the storm and are expected to be reopened by this afternoon.

This storm produced total precipitation amounts of 10.12 inches at Mount Wilson, 1.57 inches at Big Rock Mesa in Malibu, 4.45 inches in Alhambra, 2.25 inches in the Santa Clarita area, and 1.49 inches in the Antelope Valley.

The current weather forecast predicts occasional scattered showers in the valleys and easterly mountains of the County through early Thursday.

We are currently investigating the damage to County flood control facilities at Del Mar and Allen in the City of Pasadena, Project No. 7201 in San Marino, and the Los Angeles River at the 105 Freeway. A more detailed report will follow when we receive more information.

Attached is our internal storm summary report.

GJH:jms

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Attach.

WATER RESOURCES DIVISION

Storm Summary Report

Storm Period

Start	End
10/19/2004 6:30	10/20/2004 6:30

L.A. Civic Center Rainfall (377)

Storm Total	2.32
Season Total	2.99
Normal to Date	0.29
% Normal to Date	1031%

Rainfall Gages

Selected Gages	Storm (in)
Big Rock Mesa (320)	1.57
Fremont HQ (456)	4.45
L.A. 96th & Central (316)	1.82
L.A. River @ Wardlow (314)	1.42
Mint Canyon @ Fitch (402)	2.25
Puddingstone Div. Dam (425)	1.97

Selected Peak Run-off (cfs during Storm Period)

L.A. River Drainage Area	Peak CFS	Channel Capacity
L.A. River @ Tujunga (3346)	20,700	52,000
L.A. River @ Firestone (3344)	49,000	120,000
L.A. River @ Wardlow (313/3347)	51,000	146,000

Rio Hondo Drainage Area

Rio Hondo @ Garvey (3360)	10,500	45,000
Alhambra Wash (3300)	5,300	12,440
Whittier Narrows Crossover (3400)	23,000	N/A
Rio Hondo @ Beverly (3394)	16,700	40,500
Rio Hondo @ Stewart & Gray (3361)	24,000	42,500

County Reservoirs Status @ 0800

Facility	Capacity	WSE	Storage	Outflow	Remarks
Big Dalton	938	BGB	-	0.0	
Big Tujunga	5,688	2,214.3	1,532	0.0	
Cogswell	9,076	2,256.9	1,168	10.0	
Devil's Gate	2,877	1,030.8	931	200.0	
Eaton Wash	797	879.3	484	0.0	
Live Oak	236	1,463.0	30	0.0	
Morris	28,040	1,137.1	18,000	34.0	
Pacoima	3,531	1,890.1	1,192	0.0	
Puddingstone	16,342	942.9	6,792	0.0	
Puddingstone Div.	206	1,138.9	36	0.0	
San Dimas	1,577	BGB	0	0.0	
San Gabriel	45,832	1,338.8	5,400	53.0	Inflow: 5800cfs. Report for 10/20/2004 0800
Santa Anita	831	1,289.9	488	120.0	
Thompson Creek	533	1,612.5	138	0.0	

Corps of Engineers Reservoir Status				
Hansen (3337)	25,466	991.8	117	230.0
Sepulveda (3383)	17,440	673.4	8	1,700.0
Santa Fe (3376)	32,109	192.0	421	0.0
Whittier Narrows				
Rio Hondo	33,935	200.9	2,266	10,906.0
San Gabriel	33,935	211.0	227	1,403.0

Spreading Grounds Status

Facility	Activated	Deactivated	Water Conserved
Buena Vista			
Citrus		x	10
Eaton Basin			137
Forbes	x		27
Hansen		x	182
Irwindale/Manning	x		74
Pacoima	x		187

DOC Activation

Start	End
10/19/2004 21:00	n/a

Padua Fire -2003	
Live Oak Dam(431)	2.20
Thompson Ck Dam (434)	2.17

Curve/Williams Fire - 2002	inches
Big Dalton Dam(419)	3.63
San Dimas Dam (422)	2.01
San Gabriel Dam (413)	6.30
San Gabriel East Fork (457)	6.38
Tanbark (444)	n/a

Bridge Fire - 1999	
Cogswell Dam (411)	8.77
Morris Dam (416)	4.68

Compton Creek Drainage Area	Peak CFS	Channel Capacity
Compton Creek @ Greenleaf (3311)	3,500	9,000

San Gabriel River Drainage Area

Santa Fe Dam Outflow (3375)	1,800	41,000
Big Dalton Wash @ Merced (3305)	11,000	25,500
Walnut Creek @ Puente (3392)	5,000	16,000
San Jose Creek (324)	9,300	43,000
San Gabriel River @ Spring (3373)	-	20,000
Coyote Creek @ Spring (3313)	16,000	49,000